SUBJECT INDEX TO VOLUME 41, 1995

[A]

ABC transporter 523
acetic acid production 461
Acetobacter hansenii 307
Acetobacter pasteurinaus 307
Acetobacter xylinum 307
Acetobacter xylinum subsp. *sucrofermentans* 307
β-N-acetylhexosaminidase 281
O-acetylhomoserine sulfhydrylase 529
O-acetylserine sulfhydrylase 529
Acidianus brierleyi 75
Acidophilic actinomycetes 175
actinophage R4 53
Aeromonas hydrophila 517
Aeromonas hydrophila: in vivo growth characters 249
alkalophilic *Bacillus* 269
allosamidin 281
anaerobic cocci 159
anaerobic oxidation of organic matter 181
arsenic-tolerant bacteria 437
Arthrobacter sp. GJM-1 455
artificial rumen 83
Ashbya 31

[B]

Bacillus subtilis 523, 541
Bacillus subtilis (natto) 3
Bacillus subtilis phage φ29 507
bacteria 315
bacterial age 207
bacterial avirulent transpositional mutants 409
bacterial cellulose 307
bacterial outer membrane proteins 409
basidiomycetous yeasts 359
Bensingtonia musae sp. nov. 143
BHV-2 TK and virulence 371
biodegradation 229
bovine herpesvirus 2 vaccine 371

[C]

cadmium-adaptation 263
Caecomyces sp. 83
calcium 389
Candida 359
Candida albicans 281
cell growth 63
cell length distribution 63
cell recycle 461
cell wall phenolics 475
cellulose-binding protein 281
chemical modification 269
chemostat culture 63
chitinase 281
chitobiase 281
chitosanase of actinomycete 351
chitosanase of *Nocardioides* 351
Chloroflexus aurantiacus 119
chromosome 11
colony-forming curve 437
compartmentalization of cytoplasm 23
coproducer of lipopeptides 541
cross-protection 263
CRP*-dependent expression 257

[D]

degradation 367
degradation of hay 83
detection method for bacterial gallate-decarboxylase 165
dextransucrase 399
2,4-dichlorophenoxy acetic acid 367
DNA analysis of kinema plasmid 3
DNA polymerase 507
DNA relatedness 429

[E]

effect of molybdate on methanogens 181
effect of NaCl on fine structure 23
effects of temperature and salt 191
electrophoretic karyotype 239
Eremothecium 31
Escherichia coli mal genes 257
extreme halophiles 333

[F]

fatty acid 327
fine structure of *Agromonas oligotrophica* 23
fission yeast 63

SUBJECT INDEX TO VOLUME 41, 1995

[A]

ABC transporter 523
acetic acid production 461
Acetobacter hansenii 307
Acetobacter pasteurinaus 307
Acetobacter xylinum 307
Acetobacter xylinum subsp. *sucrofermentans* 307
β-N-acetylhexosaminidase 281
O-acetylhomoserine sulfhydrylase 529
O-acetylserine sulfhydrylase 529
Acidianus brierleyi 75
Acidophilic actinomycetes 175
actinophage R4 53
Aeromonas hydrophila 517
Aeromonas hydrophila: in vivo growth characters 249
alkalophilic *Bacillus* 269
allosamidin 281
anaerobic cocci 159
anaerobic oxidation of organic matter 181
arsenic-tolerant bacteria 437
Arthrobacter sp. GJM-1 455
artificial rumen 83
Ashbya 31

[B]

Bacillus subtilis 523, 541
Bacillus subtilis (natto) 3
Bacillus subtilis phage φ29 507
bacteria 315
bacterial age 207
bacterial avirulent transpositional mutants 409
bacterial cellulose 307
bacterial outer membrane proteins 409
basidiomycetous yeasts 359
Bensingtonia musae sp. nov. 143
BHV-2 TK and virulence 371
biodegradation 229
bovine herpesvirus 2 vaccine 371

[C]

cadmium-adaptation 263
Caecomyces sp. 83
calcium 389
Candida 359
Candida albicans 281
cell growth 63
cell length distribution 63
cell recycle 461
cell wall phenolics 475
cellulose-binding protein 281
chemical modification 269
chemostat culture 63
chitinase 281
chitobiase 281
chitosanase of actinomycete 351
chitosanase of *Nocardioides* 351
Chloroflexus aurantiacus 119
chromosome 11
colony-forming curve 437
compartmentalization of cytoplasm 23
coproducer of lipopeptides 541
cross-protection 263
CRP*-dependent expression 257

[D]

degradation 367
degradation of hay 83
detection method for bacterial gallate-decarboxylase 165
dextransucrase 399
2,4-dichlorophenoxy acetic acid 367
DNA analysis of kinema plasmid 3
DNA polymerase 507
DNA relatedness 429

[E]

effect of molybdate on methanogens 181
effect of NaCl on fine structure 23
effects of temperature and salt 191
electrophoretic karyotype 239
Eremothecium 31
Escherichia coli mal genes 257
extreme halophiles 333

[F]

fatty acid 327
fine structure of *Agromonas oligotrophica* 23
fission yeast 63

function of gene *1* product 507
fungal metabolites 475
fura-2 389

[G]
gallate-decarboxylating bacteria 165
Galleria mellonella—nonimmune 409
gene expression in *Escherichia coli* 455
genetically isolated yeast populations 499
β-glucosidase 455
glutamine synthetase 269
Gram-negative, aerobic rod isolated from Antarctica 191
granulocytes 409
growth temperature 239

[H]
Halobacteriaceae 333
halophilic archaebacteria 153
Halorubrobacterium coriensis sp. nov. 333
Halorubrobacterium gen. nov. 333
haemolysin production 517
heat-adaptation 263
homocysteine synthase 529
hot spring 119

[I]
immobilization 367, 399
in vitro—rumen fermentation 475
induced 315
insect hemocytes 409
integration 11
internal transcribed spacers (ITS) 31
iron-limited condition 221
isozyme electrophoresis 487

[K]
kinema, non-salty fermented soybean food in Nepal 3
Kluyveromyces 31

[L]
lactic acid bacteria 159
Lactobacillus 327
Lake Vanda, Antarctica 191
Leuconostoc mesenteroides 399
lipid and fatty acid composition 191
livestock diarrhoea 517
lpl cluster 523
lysogenic phage 11

[M]
malate dehydrogenase 449
mediated 315
membrane filtration 461
Metallosphaera sedula 75
methanogenic bacteria 377
multicellular filamentous green bacteria 119
multistage fermentor 461
mutant strain MU 174 229

[N]
N-8 43
Na^+/H^+-antiporter 87
Natrialba asiatica gen. nov., sp. nov. 333
Nematospora 31
new Japanese yeast species 499
Niocalimastix sp. 83
nitrate effect on bacterial dynamics 181
Nocardioides 351
nodulation 11
nucleoids as condensed structure 23

[O]
obligate proton reducing bacteria 181
oligotrophic bacteria 171
outer membrane protein 221

[P]
γ-PGA production-stimulating factor 3
γ-PGA-producing *Bacillus* in kinema 3
phenol laden wastewater 229
phenolic compounds 229
photosynthesis 119
phylogeny of *Bensingtonia* 131
phylogeny of *Bensingtonia musae* 143
Piromyces sp. 83
plasmatocytes 409
Pleurotus ostreatus 487
plipastatin B1 541
polyamine 153, 159
population genetics 487
primer protein 507
prophage genome excision 53
protease inhibitor 449
Pseudomonas pictorum 229
Pseudomonas putida 367
Pseudozyma 359
D-psicose-utilizing bacteria 171

[R]
rare sugars-utilizing bacteria 171
regulation of *rep* protein synthesis 507
regulation of transcription 257
resistance 315
Rhizobium leguminosarum biovar *trifolii* .. 11
rhizosphere 315
ribosomal RNA genes (rDNA) 31
16S ribosomal RNA gene 75
rumen bacteria 281, 377
rumen ciliate protozoa 377
rumen fungi 83

[S]
Saccharomyces bayanus 239
Saccharomyces cerevisiae 31, 239, 449
Saccharomyces cerevisiae MET17/MET25 gene 529
Saccharomyces sensu stricto species 499
salt stress 87
salt-tolerant yeast 87
Schizosaccharomyces pombe 63
siderophore 221
site-specific recombination 53
small subunit rDNA sequence 131, 143
soil bacteria 437
*Spo*IVCA 53
Sporobolomyces 359
Stephanoascus 359
Sterigmatomyces 359
Streptococcus bovis 389
Streptomyces parvulus 53
stress 263
sulfate reducing bacteria 181
Sulfolobus solfataricus 75
sulfur metabolism in *Escherichia coli* 529
sulfur-dependent thermoacidophilic archaebacteria 75
summer-type hypersensitivity pneumonitis 429
surfactin 541

[T]
TA-1 43
TA-2 43
L-tagatose-utilizing bacteria 171
taxonomy 359
tea field soil 175
thermoacidophilic archaebacteria 43
thermophily 119
thermostable chitosanase produced by actinomycete 351
thermostable chitosanase produced by *Nocardioides* 351
thymidine kinase and virulence 371
transcription of *sfs4* gene 257
Trichosporon 359
Trichosporon domesticum Sugita, Nishikawa et Shinoda, sp. nov. 429
Tween 80 327

[U]
Ustilago 359

[V]
Vibrio parahaemolyticus 221, 263
virulence enhancement—*Aeromonas hydrophila* 535

[X]
Xenorhabdus nematophilus
fimbriae 207
Galleria hemocytes 207
hemocyte adhesion 207
LPS 207
nonimmune hematocytes 207
outer membrane proteins 207
physicochemical properties 207
virulence mechanisms 409

[Y]
yeast 449

[Z]
Zygosaccharomyces rouxii 87